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(72) Inventor; and

(75) Inventor/Applicant (for US only): **ZOPPAS, Matteo**
[IT/IT]; Via Silvio Pellico, 54, I-33074 Fontanafredda (IT).

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(74) Agents: **GIUGNI, Valter et al.**; Propria S.r.l., Via Mazzini,
13, I-33170 Pordenone (IT).

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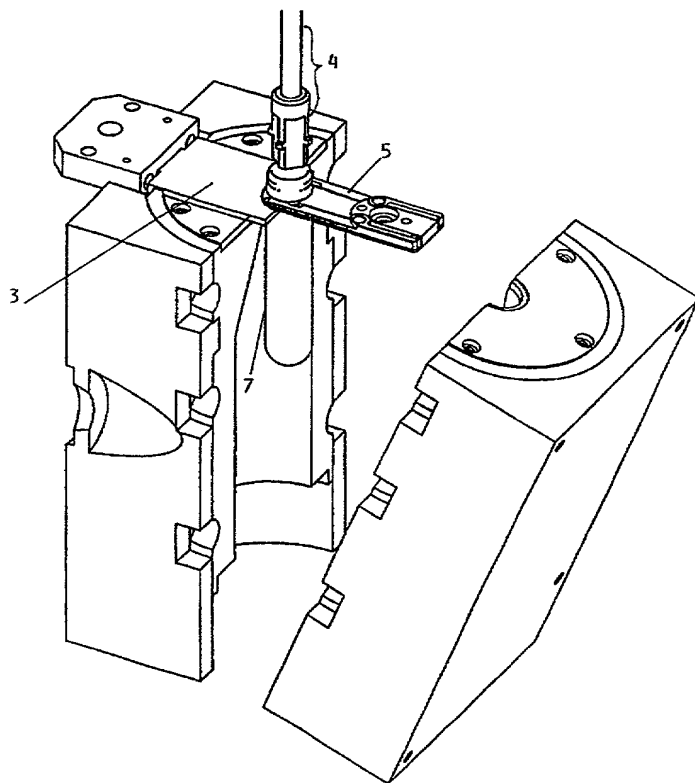
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(71) Applicant (for all designated States except US): **SIPA S.P.A.** [IT/IT]; Via Caduti del Lavoro, 3, I-31029 Vittorio Veneto (IT).

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(54) Title: **ENTERING INJECTION MOULDED PREFORMS IN A MOULD OF A HIGH-EFFICIENCY BLOW-MOULDING APPARATUS**



(57) Abstract: Apparatus for blow moulding plastic containers, comprising a plurality of pairs of half-moulds (1, 2) capable of being coupled with each other, separated from each other and clamped together, said pairs (1, 2) being associated to an appropriate central structure and constituted by a stationary half-mould (1), which is substantially attached to said structure, and a respective moving half-mould (2) capable of being opened and clamped with a rotary motion, in which there are provided means adapted (3, 4) to arrange a respective preform (7) in a pre-defined position adapted for blow moulding, and to hold this preform (7) in this position regardless of the position of the respective half-moulds (1, 2), these means being in particular constituted by: a fork means (3) firmly joined to a respective stationary half-mould (1), a pincer-like gripper (5) adapted to transfer a respective preform (7) from an external position and fit it on to the respective fork means (3), and a small-tube (4) assembly adapted to be inserted in the mouth opening of the preform (7) when the latter is fitted on to the respective fork means (3).

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